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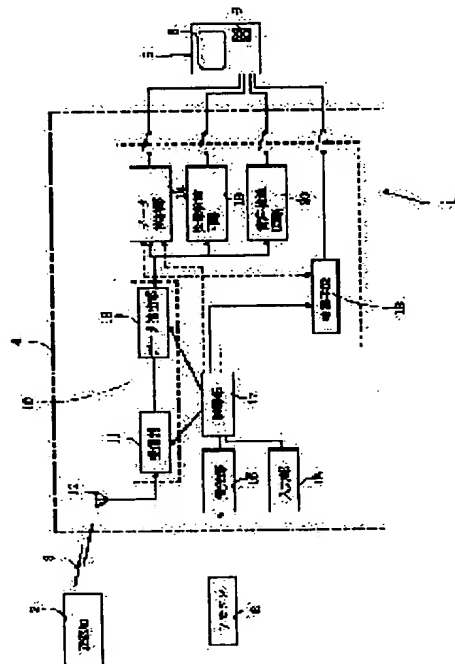
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(54) PAY PROGRAM CHANNEL SELECTION GUIDE SYSTEM

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a pay program channel selection guide system by which information about whether a view charge of which program is higher/lower than other pay programs can easily be obtained in the case of viewing pay programs.

SOLUTION: This system 1 has a receiver 4 that is provided with a channel selection reception means 10 that selects and receives a desired channel among a plurality of channels and extracts data of various programs sent from a broadcast station 2, a data storage section 14 that stores data extracted by the channel selection reception means 10, and a retrieval means 18 that retrieves a channel, and has a display device 5 that displays a program selected and received by this receiver 4 and broadcast through the channel. The retrieval means 18 is provided with a list generating means that generates a pay program selection guide list where pay programs receivable by the receiver 4 are listed based on data at least the pay programs among the various program data stored in the data storage section 14, and the display device 5 can display the pay charge selection guide list generated by the list generating means.

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CLAIMS

[Claim(s)]

[Claim 1] While carrying out channel selection reception of the desired channel out of two or more channels A channel selection receiving means to extract the data about the various programs sent from a broadcasting station, The data storage section which carries out storage storing of the data about the various above-mentioned programs extracted with the above-mentioned channel selection receiving means, The receiving set equipped with a retrieval means to search a channel, and the display which displays the program sent by the channel by which channel selection reception was carried out with this receiving set, Are pay program channel selection guide equipment which ****, and the data about a pay program are extracted at least among the data about the various above-mentioned programs for the above-mentioned retrieval means. It has a tabulation means to create the above-mentioned pay program channel selection guide table which list-ized the above-mentioned pay program in which channel selection reception is possible with the above-mentioned receiving set based on this data. Pay program channel selection guide equipment characterized by it being possible to display on the above-mentioned display the above-mentioned pay program channel selection guide table created with this tabulation means.

[Claim 2] Pay program channel selection guide equipment according to claim 1 characterized by having put said pay program channel selection guide table in order in the high order of the audience fee gold of said pay program, or low order, and forming it.

[Claim 3] Pay program channel selection guide equipment according to claim 1 or 2 characterized by putting in order and forming said searched pay program as a result of searching said pay program channel selection guide table with the specific genre of arbitration.

[Claim 4] Pay program channel selection guide equipment according to claim 1, 2, or 3 characterized by putting in order and forming the pay program broadcast in the time zone of arbitration in said pay program channel selection guide table.

[Claim 5] Pay program channel selection guide equipment according to claim 1, 2, 3, or 4 characterized by warning of that or supposing that it is non-receipt when the upper limit of the audience fee gold of said pay program which can receive with said receiving set tends to be set up within a predetermined period and it is going to view and listen to said pay program with said receiving set exceeding the upper limit of this audience fee gold.

[Claim 6] Pay program channel selection guide equipment according to claim 5 characterized by subtracting an integrated part of the audience fee gold of said pay program which actually received with said receiving set from the upper limit of said audience fee gold of said pay program which can receive with said receiving set, and displaying the balance within said predetermined period all over said pay program channel selection guide table.

[Claim 7] Pay program channel selection guide equipment given [of the claims 1-6 characterized by warning of that or supposing that it is non-receipt when the upper limit per program of the pay program which can receive with said receiving set tends to be set up and it is going to view and listen to said pay program with said receiving set exceeding the upper limit of this audience fee gold] in 1 term.

[Translation done.]

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DETAILED DESCRIPTION

[Detailed Description of the Invention]

[0001]

[Field of the Invention] This invention is used for digital-broadcasting systems, such as digital satellite broadcasting and CATV (cable television) broadcast, and relates to suitable pay program channel selection guide equipment.

[0002]

[Description of the Prior Art] Digital broadcasting which television broadcasting in recent years superimposes the digital data which becomes a broadcasting electric-wave from program information etc., and transmits is spreading. Such digital broadcasting transmits the image and voice based on the contract from a broadcasting station, when a viewer concludes a broadcasting station and a contract. Moreover, if even the minimum charge based on a contract is paid, there are usually a radical acting-before-the-audience group to which it can view and listen, without paying a special addition tariff, and a pay program (pay-per-view) asked for a special addition tariff from a broadcasting station if it views and listens in digital broadcasting. In addition, generally a pay program has many programs attractive for a viewer. Therefore, a viewer watches a pay program too much just, and the problem that an extra charge will be added to inside free from not knowing produces him.

[0003] In order to solve such a problem, various proposals are performed from before. For example, according to the charged broadcast decoder given in JP,61-108273,A, a viewer pays beforehand the tariff for viewing and listening to a pay program to a broadcasting station first. It pays, and this information about a tariff is superimposed by the broadcasting electric-wave sent from a broadcasting station, and is memorized in the receiving set by the side of a viewer. And whenever a viewer views and listens to a pay program, based on the information stored in the receiving set, a part for the amount of money which paid, and viewed and listened to a pay program from the amount of money is subtracted, the viewer pays, and it is warned of that that the balance is less than the fixed amount of money every. If the upper limit of the amount of money paid in order that a viewer may view and listen to a pay program is decided according to such a system and it is made to pay every month, the special audience fee gold required for a pay program can prevent being added to inside free from not knowing.

[0004] In addition, generally, since there are many channels to which it can view and listen, the race card created based on the information on which the broadcasting electric-wave was overlapped shall be displayed on a monitoring screen, and it shall be easy to carry out program retrieval in digital broadcasting. it is charged broadcast about whether each program is radical full-service broadcasting at this race card, respectively -- it is displayed a thing and, in charged broadcast, the amount of that audience fee gold is also displayed further. Therefore, in case a viewer tunes in a channel, an extra charge can know how much it is to the program, when an extra charge is required whether it is the need.

[0005]

[Problem(s) to be Solved by the Invention] However, the amount of information in which an output is possible is restricted to one screen of a monitoring device from the magnitude of a screen, and scrolling of a screen is needed in order for a viewer to look at the whole race card. Therefore, in order for a

viewer to acquire information, such as a price of each program, about the pay program made attractive as compared with a radical acting-before-the-audience group, it will be necessary to see all the data of a race card, and convenience is missing. that is, in the charged broadcast decoder given in JP,61-108273,A mentioned above, in case a viewer views and listens to a pay program, the payment balance remains how much -- although that information is acquired -- the program of others [program / which] -- comparing --/with cheap audience fee gold -- it is not obtained about the information are high.

[0006] the time of a viewer viewing and listening to a pay program, as for this invention -- charged broadcast of others [program / which] -- comparing -- high/-- it aims at offering the high pay program channel selection guide equipment of the convenience which can invest audience fee gold effectively by acquiring the information are cheap.

[0007]

[Means for Solving the Problem] An example is taken by the purpose mentioned above. Pay program channel selection guide equipment according to claim 1 While carrying out channel selection reception of the desired channel out of two or more channels A channel selection receiving means to extract the data about the various programs sent from a broadcasting station, The data storage section which carries out storage storing of the data about the various programs extracted with the channel selection receiving means, The receiving set equipped with a retrieval means to search a channel, and the display which displays the program sent by the channel by which channel selection reception was carried out with this receiving set, Are pay program channel selection guide equipment which ****, and the data about a pay program are extracted at least among the data about various programs for a retrieval means. It is possible to display on a display the pay program channel selection guide table which was equipped with a tabulation means to create the pay program channel selection guide table which list-ized the pay program in which channel selection reception is possible with the receiving set based on this data, and was created with this tabulation means.

[0008] Since he is trying to display a pay program channel selection guide table on a display according to the configuration mentioned above, a viewer can search a pay program easily, looking at the display screen.

[0009] Moreover, since invention according to claim 2 puts a pay program channel selection guide table in order in the high order of the audience fee gold of a pay program, or low order and forms it in pay program channel selection guide equipment according to claim 1, a viewer can search a pay program still more easily, looking at the display screen.

[0010] Moreover, since invention according to claim 3 puts in order and forms the searched pay program in pay program channel selection guide equipment according to claim 1 or 2 as a result of searching a pay program channel selection guide table with the specific genre of arbitration, a viewer can search a pay program still more easily, looking at the display screen which consisted of data extracted to the specific genre.

[0011] Moreover, since invention according to claim 4 puts in order and forms the pay program broadcast in the time zone of arbitration in a pay program channel selection guide table in pay program channel selection guide equipment according to claim 1, 2, or 3, a viewer can search a desired pay program easily out of extracted data which are called the pay program to which it can view and listen in a specific time zone.

[0012] Moreover, in pay program channel selection guide equipment according to claim 1, 2, 3, or 4, when invention according to claim 5 tends to set up the upper limit of the audience fee gold of the pay program which can receive with a receiving set within a predetermined period and tends to view and listen to a pay program with a receiving set exceeding the upper limit of this audience fee gold, it warns of that or presupposes that it is non-receipt. Therefore, it prevents that a viewer watches a pay program too much within a predetermined period, and a tariff increases.

[0013] Moreover, invention according to claim 6 subtracts an integrated part of the audience fee gold of the pay program which actually received with the receiving set, and he is trying to display the balance within a predetermined period all over a pay program channel selection guide table in pay program channel selection guide equipment according to claim 5 from the upper limit of the audience fee gold of

the pay program which can receive with a receiving set. Therefore, a viewer can know the balance to the upper limit of audience fee gold, and becomes possible [considering it as the reference at the time of watching a pay program].

[0014] Moreover, in pay program channel selection guide equipment given [of the claims 1-6] in 1 term, when invention according to claim 7 tends to set up the upper limit per program of the pay program which can receive with a receiving set and tends to view and listen to a pay program with a receiving set exceeding the upper limit of this audience fee gold, it warns of that or presupposes that it is non-receipt. Therefore, in case a viewer is going to view and listen to a pay program, he can know whether it is higher than the audience fee gold per program with which the program was set up, and can consider it as the reference at the time of watching a pay program.

[0015]

[Embodiment of the Invention] The pay program channel selection guide equipment of the gestalt of operation of this invention is shown and explained to drawing 13 from drawing 1 . As shown in drawing 1 , pay program channel selection guide equipment 1 receives the broadcasting electric-wave 3 sent by two or more channels from a broadcasting station 2, and has the tuner 4 as a receiving set which carries out channel selection reception of the desired channel out of it, and the monitoring device 5 as a display which displays the program sent by the channel by which channel selection reception was carried out by the tuner 4.

[0016] This pay program channel selection guide equipment 1 is equipment which can be searched in the channel to which the pay program (pay-per-view) is performed, creates the pay program channel selection guide table 35 (refer to drawing 9) which list-ized the pay program in which channel selection reception is possible by the tuner 4 by performing predetermined alter operation, and is displaying it on the monitoring device 5.

[0017] In addition, according to pay program channel selection guide equipment 1, it is possible to switch a tuner 4 to the channel to which the specified pay program is performed immediately, or to double a tuner 4 at the specified start time of a pay program, and to carry out channel switch reservation by specifying a desired pay program on a screen out of the pay program displayed on the monitoring device 5. Moreover, as for a tuner 4, it is possible to make it operate with channel selection actuation, program channel selection reservation actuation, and the remote control 6 for performing various actuation, such as channel retrieval of a pay program, further.

[0018] As shown in drawing 2 , the broadcasting electric-wave 3 sent from a broadcasting station 2 stored various digital data in two or more packets, and is transmitted as a transponder 7 which connected them continuously and was formed. The radio frequency (RF=Radio Frequency) is respectively assigned to this transponder 7, and a tuner 4 can receive one of the transponders 7 sent by adjusting that radio frequency. [two or more]

[0019] Image data 7a and voice data 7b of each program for 4-8 channels are contained in each transponder 7. Image data 7a is what stored the data about the image of the program for 4-8 channels in one packet. In addition, the data for one channel consist of two or more screen data, such as data for displaying the program by the standard screen, and data for making it display on a wide screen. And by choosing the gestalt of a channel and a screen by the tuner 4, the required data in image data 7a are extracted, and it is transmitted to a monitoring device 5. The image of the program currently sent by the channel will be outputted to the display 8 of a monitoring device 5 by this. In addition, with the gestalt of this 1st operation, although image data 7a is stored in one packet, it may be divided and stored in two thru/or the packet beyond it.

[0020] Moreover, voice data 7b is what stored the data about the voice of the program for 4-8 channels in one packet. In addition, the data for one channel consist of two or more data, such as data for making the voice of the program output with standard voice, data for making it output with subvoice, and data for making it output with other language. And by choosing the gestalt of a channel and voice by the tuner 4, the required data in voice data 7b are extracted, and it is transmitted to a monitoring device 5. The voice of the program currently sent by the channel will be outputted to the loudspeaker 9 of a monitoring device 5 by this. In addition, it may be divided and stored in two thru/or the packet beyond it

although voice data 7b as well as image data 7a is stored in one packet with the gestalt of this 1st operation.

[0021] On the other hand, the program information which consists of program data 7c and EPG data 7d and clock data 7e and businesslike data 7f is included in the transponder 7, where [both] image data 7a and voice data 7b in the transponder 7 are overlapped.

[0022] Program data 7c consists of various program data, such as the broadcast day of each program for 4-8 channels stored in the transponder 7, broadcasting hours, a channel number, a genre, the contents of a program, and a program name. In addition, when a pay program is in the program stored in the transponder 7, the data about the audience fee gold of the pay program and the data for preview screens (the image and voice for trial viewing and listening) are also contained in program data 7c. Moreover, program data 7c is updated by new information each time about the case where the case where broadcasting hours are changed on the way, and broadcasting hours are extended etc.

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TECHNICAL FIELD

[Field of the Invention] This invention is used for digital-broadcasting systems, such as digital satellite broadcasting and CATV (cable television) broadcast, and relates to suitable pay program channel selection guide equipment.

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PRIOR ART

[Description of the Prior Art] Digital broadcasting which television broadcasting in recent years superimposes the digital data which becomes a broadcasting electric-wave from program information etc., and transmits is spreading. Such digital broadcasting transmits the image and voice based on the contract from a broadcasting station, when a viewer concludes a broadcasting station and a contract. Moreover, if even the minimum charge based on a contract is paid, there are usually a radical acting-before-the-audience group to which it can view and listen, without paying a special addition tariff, and a pay program (pay-per-view) asked for a special addition tariff from a broadcasting station if it views and listens in digital broadcasting. In addition, generally a pay program has many programs attractive for a viewer. Therefore, a viewer watches a pay program too much just, and the problem that an extra charge will be added to inside free from not knowing produces him.

[0003] In order to solve such a problem, various proposals are performed from before. For example, according to the charged broadcast decoder given in JP,61-108273,A, a viewer pays beforehand the tariff for viewing and listening to a pay program to a broadcasting station first. It pays, and this information about a tariff is superimposed by the broadcasting electric-wave sent from a broadcasting station, and is memorized in the receiving set by the side of a viewer. And whenever a viewer views and listens to a pay program, based on the information stored in the receiving set, a part for the amount of money which paid, and viewed and listened to a pay program from the amount of money is subtracted, the viewer pays, and it is warned of that that the balance is less than the fixed amount of money every. If the upper limit of the amount of money paid in order that a viewer may view and listen to a pay program is decided according to such a system and it is made to pay every month, the special audience fee gold required for a pay program can prevent being added to inside free from not knowing.

[0004] In addition, generally, since there are many channels to which it can view and listen, the race card created based on the information on which the broadcasting electric-wave was overlapped shall be displayed on a monitoring screen, and it shall be easy to carry out program retrieval in digital broadcasting. it is charged broadcast about whether each program is radical full-service broadcasting at this race card, respectively -- it is displayed a thing and, in charged broadcast, the amount of that audience fee gold is also displayed further. Therefore, in case a viewer tunes in a channel, an extra charge can know how much it is to the program, when an extra charge is required whether it is the need.

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EFFECT OF THE INVENTION

[Effect of the Invention] According to invention according to claim 1, program channel selection guide equipment is equipped with a means to create the race card which list-ized the pay program based on the data about the program acquired from the broadcasting electric-wave. Therefore, a viewer can search a pay program easily, looking at the pay program channel selection guide table displayed on the display. [0087] Moreover, according to invention according to claim 2, a pay program channel selection guide table is put in order in the high order of the audience fee gold of a pay program, or low order, and is formed. Therefore, the display screen will become legible for a viewer and a pay program can be searched still more easily.

[0088] Moreover, he extracts a pay program channel selection guide table in the specific genre of arbitration, and is trying to form it according to invention according to claim 3. Therefore, unnecessary data can be deleted, retrieval data can be lessened and a pay program can be searched still more easily for a viewer.

[0089] Moreover, according to invention according to claim 4, the pay program broadcast in the time zone of arbitration in a pay program channel selection guide table is put in order and formed. Therefore, unnecessary data can be deleted, retrieval data can be lessened and a desired pay program can be searched still more easily for a viewer.

[0090] Moreover, if it views and listens to the program according to invention according to claim 5 when it is going to view and listen to a pay program, in the case of the situation of exceeding the upper limit of audience fee gold, it will warn of that or suppose that it is non-receipt. Therefore, it prevents that a viewer watches a pay program too much within a predetermined period, and a tariff increases.

[0091] Moreover, according to invention according to claim 6, the "balance" used as the index of "how much to view and listen to a part and a pay program the back" is displayed all over a pay program channel selection guide table. Therefore, a viewer can know the balance to the upper limit of audience fee gold, and becomes possible [considering it as the reference at the time of watching a pay program].

[0092] Moreover, when it is going to view and listen to a pay program and is higher than the upper limit of the audience fee gold which the audience fee gold of the program set up according to invention according to claim 7, it warns of that or suppose that it is non-receipt. Therefore, in case a viewer is going to view and listen to the "high" pay program which he considered by himself, the pay program can know whether it is "high", and it can judge whether it sees or not.

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TECHNICAL PROBLEM

[Problem(s) to be Solved by the Invention] However, the amount of information in which an output is possible is restricted to one screen of a monitoring device from the magnitude of a screen, and scrolling of a screen is needed in order for a viewer to look at the whole race card. Therefore, in order for a viewer to acquire information, such as a price of each program, about the pay program made attractive as compared with a radical acting-before-the-audience group, it will be necessary to see all the data of a race card, and convenience is missing. that is, in the charged broadcast decoder given in JP,61-108273,A mentioned above, in case a viewer views and listens to a pay program, the payment balance remains how much -- although that information is acquired -- the program of others [program / which] -- comparing --/with cheap audience fee gold -- it is not obtained about the information are high. [0006] the time of a viewer viewing and listening to a pay program, as for this invention -- charged broadcast of others [program / which] -- comparing -- high/-- it aims at offering the high pay program channel selection guide equipment of the convenience which can invest audience fee gold effectively by acquiring the information are cheap.

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MEANS

[Means for Solving the Problem] An example is taken by the purpose mentioned above. Pay program channel selection guide equipment according to claim 1 While carrying out channel selection reception of the desired channel out of two or more channels A channel selection receiving means to extract the data about the various programs sent from a broadcasting station, The data storage section which carries out storage storing of the data about the various programs extracted with the channel selection receiving means, The receiving set equipped with a retrieval means to search a channel, and the display which displays the program sent by the channel by which channel selection reception was carried out with this receiving set, Are pay program channel selection guide equipment which ****, and the data about a pay program are extracted at least among the data about various programs for a retrieval means. It is possible to display on a display the pay program channel selection guide table which was equipped with a tabulation means to create the pay program channel selection guide table which list-ized the pay program in which channel selection reception is possible with the receiving set based on this data, and was created with this tabulation means.

[0008] Since he is trying to display a pay program channel selection guide table on a display according to the configuration mentioned above, a viewer can search a pay program easily, looking at the display screen.

[0009] Moreover, since invention according to claim 2 puts a pay program channel selection guide table in order in the high order of the audience fee gold of a pay program, or low order and forms it in pay program channel selection guide equipment according to claim 1, a viewer can search a pay program still more easily, looking at the display screen.

[0010] Moreover, since invention according to claim 3 puts in order and forms the searched pay program in pay program channel selection guide equipment according to claim 1 or 2 as a result of searching a pay program channel selection guide table with the specific genre of arbitration, a viewer can search a pay program still more easily, looking at the display screen which consisted of data extracted to the specific genre.

[0011] Moreover, since invention according to claim 4 puts in order and forms the pay program broadcast in the time zone of arbitration in a pay program channel selection guide table in pay program channel selection guide equipment according to claim 1, 2, or 3, a viewer can search a desired pay program easily out of extracted data which are called the pay program to which it can view and listen in a specific time zone.

[0012] Moreover, in pay program channel selection guide equipment according to claim 1, 2, 3, or 4, when invention according to claim 5 tends to set up the upper limit of the audience fee gold of the pay program which can receive with a receiving set within a predetermined period and tends to view and listen to a pay program with a receiving set exceeding the upper limit of this audience fee gold, it warns of that or presupposes that it is non-receipt. Therefore, it prevents that a viewer watches a pay program too much within a predetermined period, and a tariff increases.

[0013] Moreover, invention according to claim 6 subtracts an integrated part of the audience fee gold of the pay program which actually received with the receiving set, and he is trying to display the balance

within a predetermined period all over a pay program channel selection guide table in pay program channel selection guide equipment according to claim 5 from the upper limit of the audience fee gold of the pay program which can receive with a receiving set. Therefore, a viewer can know the balance to the upper limit of audience fee gold, and becomes possible [considering it as the reference at the time of watching a pay program].

[0014] Moreover, in pay program channel selection guide equipment given [of the claims 1-6] in 1 term, when invention according to claim 7 tends to set up the upper limit per program of the pay program which can receive with a receiving set and tends to view and listen to a pay program with a receiving set exceeding the upper limit of this audience fee gold, it warns of that or presupposes that it is non-receipt. Therefore, in case a viewer is going to view and listen to a pay program, he can know whether it is higher than the audience fee gold per program with which the program was set up, and can consider it as the reference at the time of watching a pay program.

[0015]

[Embodiment of the Invention] The pay program channel selection guide equipment of the gestalt of operation of this invention is shown and explained to drawing 13 from drawing 1 . As shown in drawing 1 , pay program channel selection guide equipment 1 receives the broadcasting electric-wave 3 sent by two or more channels from a broadcasting station 2, and has the tuner 4 as a receiving set which carries out channel selection reception of the desired channel out of it, and the monitoring device 5 as a display which displays the program sent by the channel by which channel selection reception was carried out by the tuner 4.

[0016] This pay program channel selection guide equipment 1 is equipment which can be searched in the channel to which the pay program (pay-per-view) is performed, creates the pay program channel selection guide table 35 (refer to drawing 9) which list-ized the pay program in which channel selection reception is possible by the tuner 4 by performing predetermined alter operation, and is displaying it on the monitoring device 5.

[0017] In addition, according to pay program channel selection guide equipment 1, it is possible to switch a tuner 4 to the channel to which the specified pay program is performed immediately, or to double a tuner 4 at the specified start time of a pay program, and to carry out channel switch reservation by specifying a desired pay program on a screen out of the pay program displayed on the monitoring device 5.

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DESCRIPTION OF DRAWINGS

[Brief Description of the Drawings]

[Drawing 1] It is the block diagram having shown the whole pay program channel selection guide equipment outline structure of the gestalt of operation of this invention.

[Drawing 2] It is the mimetic diagram having shown the internal structure of the broadcasting electric-wave sent from a broadcasting station to the tuner of the pay program channel selection guide equipment shown in drawing 1 .

[Drawing 3] It is the front view having shown concretely the tuner of the pay program channel selection guide equipment shown in drawing 1 .

[Drawing 4] It is the block diagram having mainly shown the control section of the pay program channel selection guide equipment shown in drawing 1 .

[Drawing 5] It is the block diagram having mainly shown the retrieval means of the pay program channel selection guide equipment shown in drawing 1 .

[Drawing 6] It is the mimetic diagram having shown the example of the pay program retrieval screen displayed on the monitoring device of the pay program channel selection guide equipment of this invention.

[Drawing 7] It is the mimetic diagram having shown the example of the genre selection screen displayed on the monitoring device of the pay program channel selection guide equipment of this invention.

[Drawing 8] It is the mimetic diagram having shown the example of the conditioning screen displayed on the monitoring device of the pay program channel selection guide equipment of this invention.

[Drawing 9] It is the mimetic diagram having shown the example of the pay program channel selection guide table displayed on the monitoring device of the pay program channel selection guide equipment of this invention.

[Drawing 10] It is the perspective view having shown typically the whole pay program channel selection guide equipment shown in drawing 1 .

[Drawing 11] It is the block diagram having shown the internal structure of the remote control shown in drawing 10 .

[Drawing 12] It is the flow chart Fig. having shown the actuation at the time of performing channel retrieval of a pay program using the pay program channel selection guide equipment of the gestalt of operation of this invention.

[Drawing 13] It is the flow chart Fig. having shown the example of the input operation about step S9 in the explanation of operation shown in drawing 12 in the detail.

[Description of Notations]

- 1 Pay Program Channel Selection Guide Equipment
- 2 Broadcasting Station
- 3 Broadcasting Electric-wave
- 4 Tuner (Receiving Set)
- 5 Monitoring Device (Display)
- 7d EPG data (data of various programs)

10 Channel Selection Receiving Means
14 Data Storage Section
18 Retrieval Means
28 Tabulation Means
35 Pay Program Channel Selection Guide Table

[Translation done.]

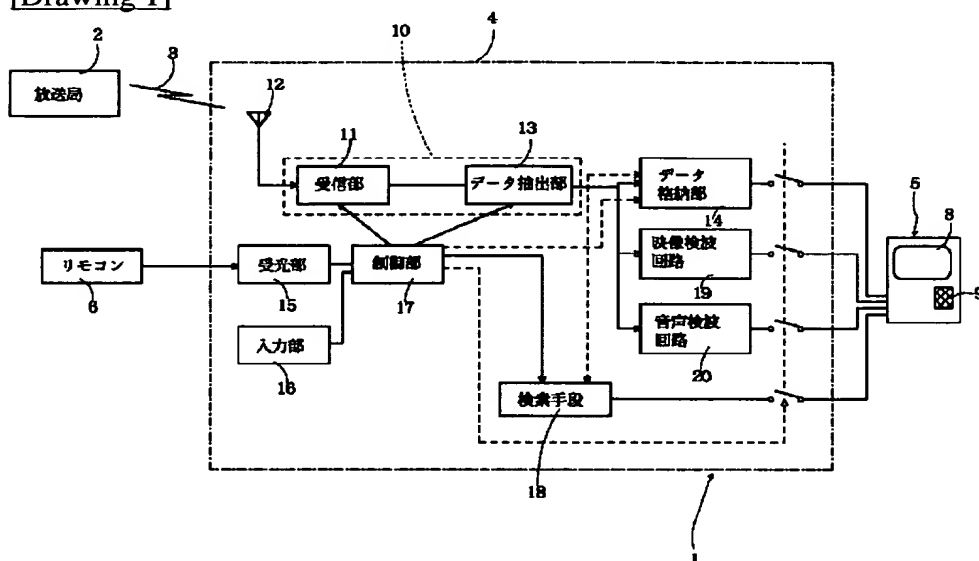
* NOTICES *

JPO and INPIT are not responsible for any damages caused by the use of this translation.

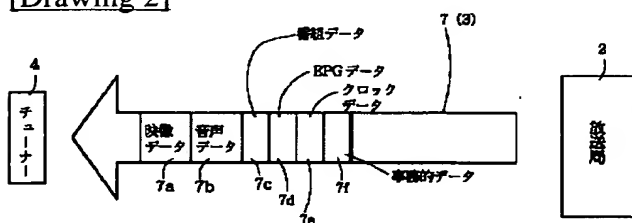
1. This document has been translated by computer. So the translation may not reflect the original precisely.
2. **** shows the word which can not be translated.
3. In the drawings, any words are not translated.

DRAWINGS

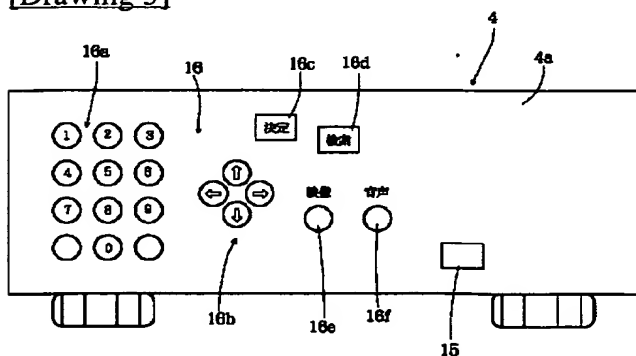
[Drawing 1]



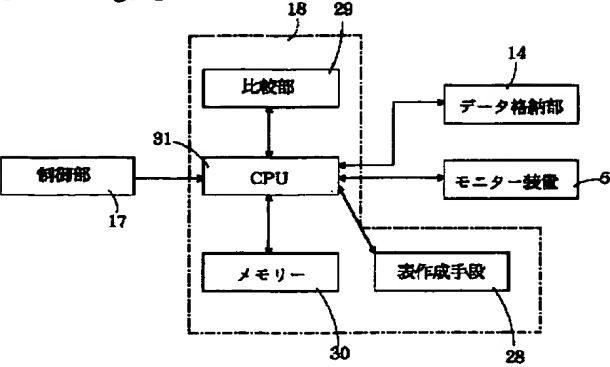
[Drawing 2]



[Drawing 3]



[Drawing 5]



[Drawing 6]

有料番組検索 32

40a ☐ 高い順 33b ☐ 低い順

33a ジャンル検索を 33d ☐ しない

33c ☐ する

33e 時間帯を指定 33f ☐ しない

33d ☐ する

時間帯
: ~ :

36a 36b

36c

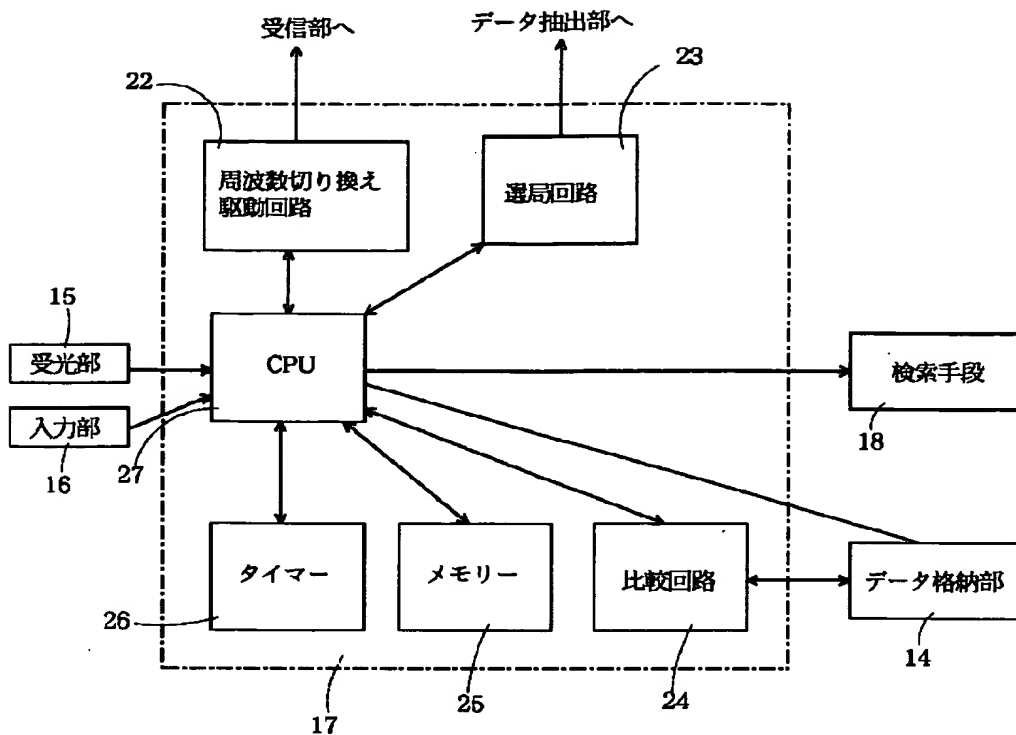
[Drawing 7]

ジャンル選択 37

スポーツ (国内)	40b
ニュース	
映画	
邦画	
バラエティー	
音楽	
海外ドラマ	
国内ドラマ	
スポーツ (海外)	
...	
...	
...	

37a 37b

[Drawing 4]



[Drawing 8]

有料番組条件設定

①視聴料金の合計の上限を設定

38c ☒ する ☐ しない

38e 期間 ☐ 1週間 ☐ 1ヶ月

金額 円

①の上限を超える場合

38g ☐ 警告する ☐ 受信できない

38j ☐ ①の設定を解除する

②1番組あたりの視聴料金の上限を設定

38k ☐ する ☐ しない

金額 円

②の上限を超える場合

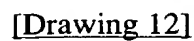
38n ☐ 警告する ☐ 受信できない

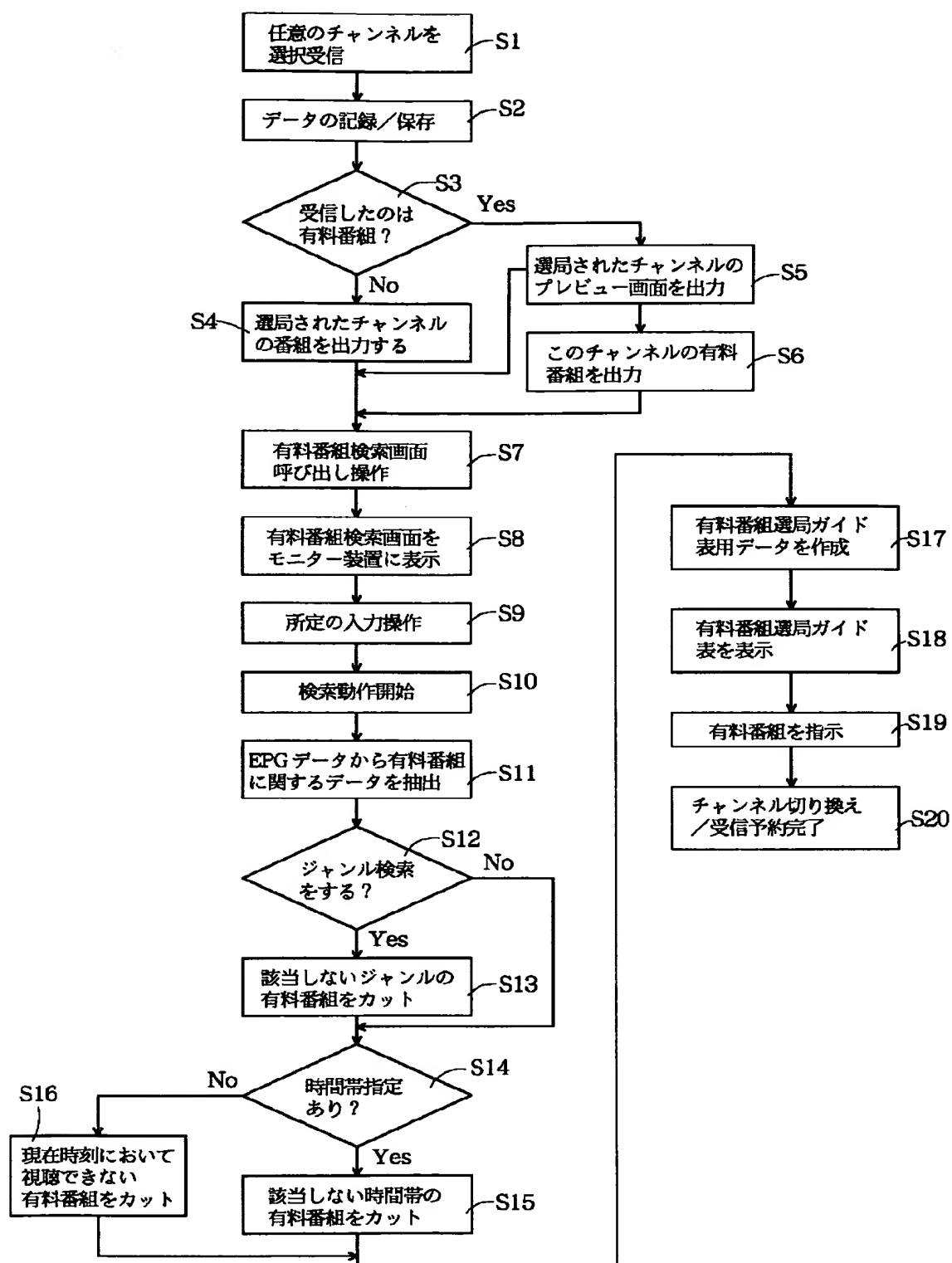
38q ☐ ②の設定を解除する

実行 キャンセル

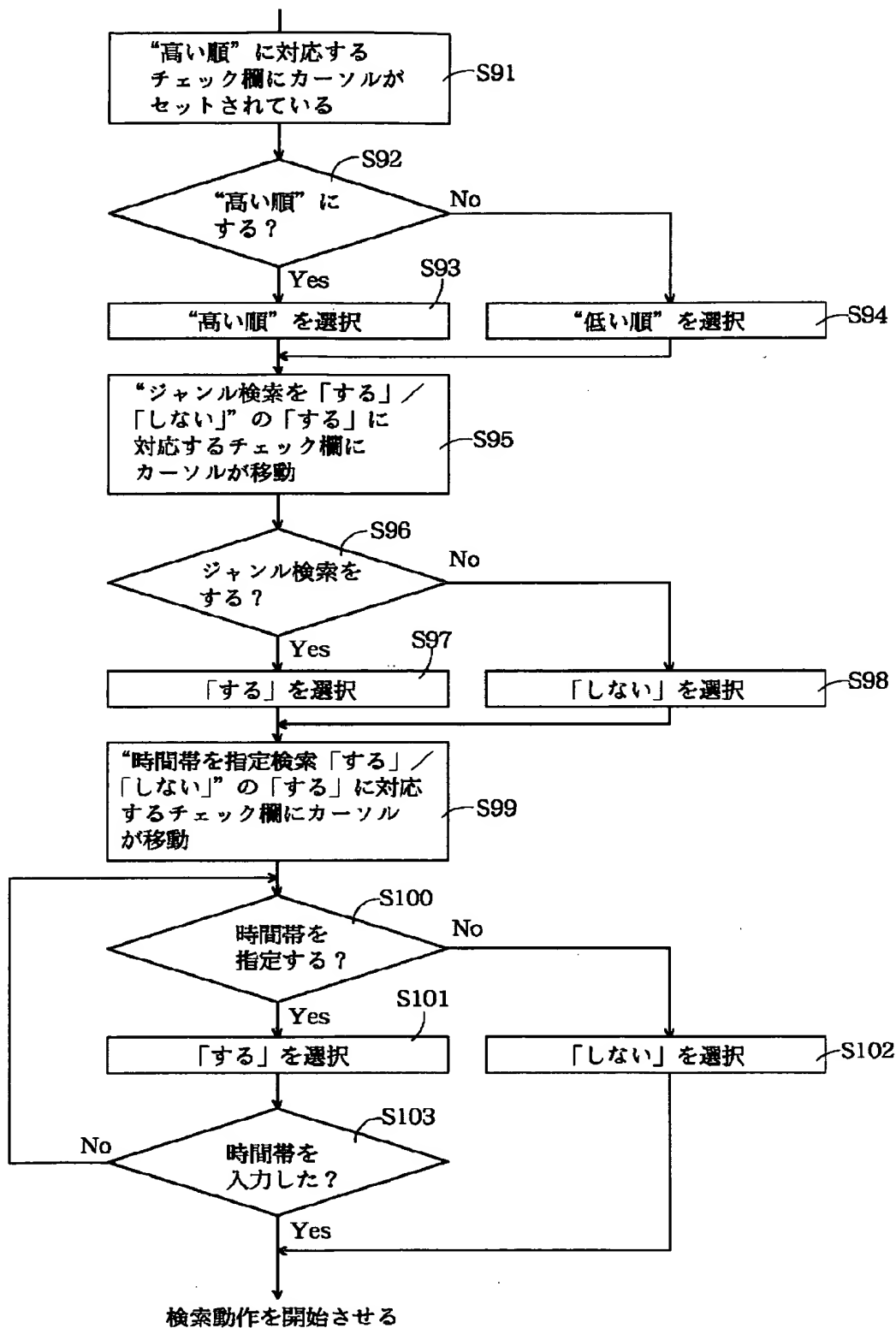
[Drawing 9]

[Drawing 10]





[Drawing 13]



[Translation done.]